

INSERTION OF NULL PACKETS TO MITIGATE THE EFFECTS OF INTERFERENCE IN WIRELESS COMMUNICATIONS

Abstract of Disclosure

Mitigation of interference effects in certain wireless communications is accomplished by the disclosed method. A wireless communications device communicates utilizing a protocol which requires hopping from channel to channel within a communications frequency band while transmitting. Operating according to the disclosed method, the device scans the available communications channels and identifies channel(s) experiencing interference from other transmitting devices. When hopping to such identified channels, the device transmits only null packets, thus avoiding the need to re-transmit packets due to interference and mitigating the effects of such interference on the communications data rate.

Figures